

**PROFESSIONAL ENGINEERS SECTION MEETING
EXAMINING BOARD OF ARCHITECTS, LANDSCAPE ARCHITECTS,
PROFESSIONAL ENGINEERS, DESIGNERS AND LAND SURVEYORS
MINUTES
December 9, 2004**

PRESENT: Lynda Farrar, Martin Hanson, and Nancy Sobczak (via telephone)

EXCUSED: Dale Paczkowski

STAFF PRESENT: Jerry Lowrie, Bureau Director, Business & Design; and Pat Schenck, Program Assistant

GUESTS: C. Allen Wortley, P.E. Professor, Department of Engineering, UW Madsion;
Andrew D. Kottke, PE, LS, Methods Development Engineer, WI Dept of
Transportation; Jeffrey S. Russell, Professor and Chair, College of Engineering,
UW Madison

CALL TO ORDER

Lynda Farrar, Chair, called the meeting to order at 9:10 a.m. A quorum of three members was present.

AGENDA

Additions to the agenda:

- Move Item 10. a. after Item 3.
- Add Mr. Andrew D. Wortley Guest Speaker to Item 7. d.

MOTION: Martin Hanson moved, seconded by Nancy Sobczak, to approve the agenda with additions. Motion carried unanimously.

APPROVAL OF MINUTES OF SEPTEMBER 10, 2004

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to approve the minutes of June 25, 2004 as written. Motion carried unanimously.

**ADMINISTRATIVE REPORT
JERRY LOWRIE, BUREAU DIRECTOR**

Board Roster

Noted.

2005 Meeting Dates

The Section will meet on February 3, 2005.

Summary of Reports on Pending Court Cases, Disciplinary Cases and Administrative Rules and Press Releases

Noted.

TO DO LIST

Noted.

CODE BOOK POLICY

Mr. Lowrie reported on the Departments new code book policy. The Department will no longer be printing hard copies of the statutes and administrative code books for the professions.

Customers will have three choices for getting the statutes and administrative codes:

1. Print statutes and administrative code from the Department's web site,
2. purchase a printed copy from Document Sales at a cost of \$15.00 for the smallest books, \$20.00 for the mid-sized books and \$25.00 for the larger books, or
3. purchase the entire code book on CD from Document Sales for approximately \$ 6.50.

These prices include shipping and handling.

Because the Section members use their statutes and codebooks during a meeting, the Section suggested that the Department add wireless access in the board meeting rooms so that members with a laptop could access the internet to review the statutes and administrative code.

TRAVEL

NCEES Board Presidents Assembly, Marriott Kansas City Airport, Kansas City, MO February 10-12, 2005

NCEES will fund one Board member and one Board Administrator.

MOTION: Martin Hanson moved, seconded by Nancy Sobczak, to nominate Dale Paczkowski, and Jerry Lowrie to attend the NCEES Board Presidents Assembly, Marriott Kansas City Airport, Kansas City, MO. on February 10-12, 2005. First alternate Lynda Farrar. Second alternate a member from the Land Surveyor Section. Motion carried unanimously.

Campus Visit Discussion

The Section would like to conduct the April 14, 2005 Section meeting at the College of Engineering, at Marquette University in Milwaukee.

Stanley Jankowski, Dean of the College of Engineering, Marquette University, Milwaukee, may be interested in hosting a Professional Engineers Section meeting at their school. Nancy Sobczak will contact Mr. Jankowski to discuss the possibility of the Professional Engineer Section conducting a meeting at their campus on April 14, 2005. The Section would like to provide an opportunity to those who have an interest in attending the Section meeting.

LEGISLATIVE/ADMINISTRATIVE RULES

Examination and Review Procedure AE 6.05 (9)(a)(b) and AE 4.08 (7)(a)(b) **Discussion of 443.09 Registration Requirement**

Mr. Lowrie reported on the status of requests for draft legislation with the Department.

CREDENTIALING

Application Review Meeting

Dr. Farrar reported on the meeting that was held at the Department with Mr. Lowrie, Cathy Pond, Jan Bobholz, and Renee Vance to discuss procedures to review professional engineer applications files.

MOTION: Martin Hanson moved, seconded by Nancy Sobczak, to approve the recommendations from the application review meeting on September 28, 2004 granting staff the authority to approve applications for examinations with ABET degree with four years of experience, 8 years of experience without a bachelors degree, and applications for licensure where applicant has passed both exams and meet the experience requirements. Motion carried unanimously.

Appearance for a Class I Hearing – Steven A. Taipala 10:30 a.m.

Steven Taipala appeared in person before the Section to provide additional information regarding his application for registration as a professional engineer.

Appearance for a Class I Hearing – Ramesh V. Munagala 11:30 a.m.

Ramesh Munagala appeared in person before the Section to provide additional information regarding his application for registration as a professional engineer.

C. Allen Wortley, PE, Professor, Dept of Engineering UW Madison

Mr. Wortley, P.E. Professor with the Department of Engineering at the UW Madison addressed the Section regarding receipt of a response from the Administrator of the Division of Enforcement regarding case 99 ENG 002. The Division of Enforcement considers the case closed.

Mr. Wortley discussed a withdrawn letter related to licensure of professional engineers and will make a request to be on the Sections agenda with a more specific letter for the Sections review.

Discussed briefly was bridge design on snowmobile trails, a program administered through DNR and mandatory continuing education.

Mr. Wortley distributed a bulletin "2005 Course Connection" Your link to more than 300 continuing education courses in Engineering, Design, Operations, Production, Management, Maintenance, and Planning from the UW-Madison, Dept. of Engineering Professional Development.

EDUCATION/EXAMINATION

Discussion of 150 Credential Hours – Jeffrey S. Russell, Ph.D

Dr. Jeffrey S. Russell, Ph.D., Professor and Department Chairman of Civil and Environmental Engineering at the UW Madison met with the Section to discuss 150 educational hour requirement for licensure and gave a power point presentation on proposing a policy of having more than a bachelor's degree for the practice of engineering. Mr. Russell is the point person for the ASCE for promoting future educational requirements to practice civil engineering at the professional level and believes that all civil engineers should be licensed.

Dr. Russell reported on the premise behind requiring education beyond a baccalaureate degree.

Ethic of Professional Service

- Issues related to the concepts of service
- How to relate to a client
- Code of ethics
- Career concept

Organization

Body of Knowledge

Knowledge skills and attitudes necessary to become a licensed professional civil engineer.

1. Increased emphasis on fundamentals math, science and engineer science
2. Increased technical breadth
3. Increased professional practice breadth
4. Increased technical depth

Increased education beyond the scope of the traditional 4-year bachelor's degree and required experience is necessary to enter the practice of civil engineering at the professional level in the future. The body of knowledge continues to grow. There is a trend in reduced total credit hours. Average

number of credits is 128 semester hours for a baccalaureate degree. The loss in classes has been in the technical areas.

ASCE Policy 465 body of knowledge adopted by the BOD on October 19, 2004 is to include a baccalaureate degree, a master's degree, or approximately 30 coordinated graduate or upper level credits and appropriate experience. To fulfill the body of knowledge additional education should be required beyond a bachelor's degree.

The National Council of Examiners for Engineering and Surveyors (NCEES) is currently discussing higher educational requirements.

Additional education will be a necessity for the Engineer of 2020. Leadership, problem solving, and communication skills seem to be lacking on the academic level.

REGISTRATION ISSUES

None.

TECHNOLOGY ISSUES

Electronic Signatures Discussion – Andrew Kottke, WisDOT Process for Affixing a Professional Engineer's Seal to an Electronic Document. Chapter 137 – Authentications and Electronic Transactions and Records

Andrew D. Kottke, PE, with the Wisconsin Department of Transportation met with the Section to address electronic signatures and seals. Mr. Kottke is working with WisDOT on the logistics of electronic signatures and seals and provided handouts showing the quality of plans for contractors with electronic signatures and seals. WisDOT does not have any plans to make Electronic Plans submittal mandatory.

Mr. Kottke stated that they are in the process of doing six pilot projects with six different consultants in addition to the Marquette Interchange Projects. In the interim consultants will continue to submit hard copies of plans to the Department until the EPlans project team approves the process and the District Project Engineer specifically permits EPlan submittal. The Department is doing in-house plans electronically.

Mr. Kottke discussed the differences between electronic signature and digital signature. Electronic signatures are acceptable for title sheet signatures, are not acceptable for PE Seal, do not have strong security but is simple to use. Digital signatures are acceptable for title sheet signature, acceptable for PE Seal, have strong security but is complex in ease of use.

The DOT Department is working on making the process simple for users but maintain the integrity of original signatures and seals.

The Section discussed the security of the program at length and expressed concern about partially submitted plans.

The Section needs to have guidelines to insure the integrity of electronic seals and signatures and will lobby with DOA to eliminate the requirement of third party authentication. Mr. Kottke will keep the Section informed of upcoming changes.

Mr. Lowrie will contact the rules administrator at the Division of Administration to apprise them of the Section's concerns regarding Act 294. A statement of scope of the proposed rule is available on the DOA's website. Guest, Mr. C. Allen Wortley stated that NCEES.org also has information on their web site regarding electronic seals.

Nebraska Board of Engineers and Architects – Electronic Signatures and Seals

The Section reviewed Nebraska's Board of Engineers and Architects rules regarding electronic seals and signatures.

NCEES

NCARB's Publication "Architecture as it Differs from Engineering"

Information only.

Nominations for NCEES National Awards

There were no nominations made by the Section members.

Specifications for NCEES Awards

Information only.

Exchange – October 2004

Information only.

PRACTICE ISSUES MISCELLANEOUS CORRESPONDENCE/INFORMATION NEW BUSINESS

None.

BOARD MEMBER ACTIVITY

Marty Hanson attended a meeting at American Society for Civil Engineers in Madison as a representative of the Board. The ASCE is not in favor of promoting mandatory continuing education.

OTHER

None.

CLOSED SESSION

MOTION: Nancy Sobczak moved, seconded by Martin Hanson to convene to Closed Session to deliberate on cases following hearing (s. 19.85(1)(a), Stats.; to consider licensure or discipline (s. 19.85(1)(b), Stats.; to consider individual histories or disciplinary data (s. 19.85(1)(f), Stats.; and, to confer with legal counsel (s. 19.85(1)(g), Stats. Motion carried by roll call vote: Lynda Farrar-yes, Martin Hanson-yes, Nancy Sobczak-yes.

Open Session recessed at 1:00 p.m.

RECONVENE TO OPEN SESSION

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to reconvene into Open Session at 2:55 p.m. Motion carried unanimously.

VOTE ON ITEMS CONSIDERED OR DELIBERATED UPON IN CLOSED SESSION, IF VOTING IS APPROPRIATE

MONITORING REPORT CASE CLOSING

None.

REINSTATEMENT REQUESTS

MILTON E. KOCH

MOTION: Martin Hanson moved, seconded by Nancy Sobczak, to request that **Milton E. Koch's** submit proof of two references that can attest to technical competency. Motion carried unanimously.

BRUCE H. BURN

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to approve **Bruce H. Burn's** request for reinstatement as a professional engineer. Lynda Farrar voted no. Motion carried.

KURT V. LEINNGER

MOTION: Martin Hanson moved, seconded by Nancy Sobczak, to approve **Kurt V. Leinnger's** request for reinstatement as a professional engineer. Lynda Farrar voted no. Motion carried.

GENE R. CLARK

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to request that **Gene R. Clark's** submit one more PE recommendation that can attest to technical competency. Motion carried unanimously.

DONALD KARBAN

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to approve **Donald Karban's** request for reinstatement as a professional engineer. Lynda Farrar voted no. Motion carried.

REQUEST FOR CLASS 1 HEARINGS

STEPHEN A. TAIPALA 10:30 A.M.

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to approve Stephen A. Taipala's application for a credential as a professional engineer. Motion carried unanimously.

RAMESH V. MUNAGALA 11:30 A.M.

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to reconsider Ramesh V. Mungala's application for a credential as a professional engineer at the February 3, 2005 Section meeting after receipt of Mr. Mungala's October's PE test results. Motion carried unanimously.

APPLICATION REVIEW

APPLICATIONS REVIEWED ON DECEMBER 9, 2004

The Section took the following action on applications:

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to approve, licensure by approved degree plus eight years experience applications as indicated below. Martin Hanson abstained on Michael Grenewald. Motion carried.

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to approve the applications as indicated below. Motion carried unanimously.

MOTION: Martin Hanson moved, seconded by Nancy Sobczak, to accept denials as indicated below. Motion carried unanimously.

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to approve applications to sit for the Principles and Practice Exam as indicated below. Lynda Farrar abstained on David R. Zuehlke. Motion carried.

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to deny Subhash H. Modi's application to sit for the Principles and Practice Exam. Motion carried unanimously.

MOTION: Martin Hanson moved, seconded by Nancy Sobczak, to deny Jun S. Haruki's applications for registration as a professional engineer by approved degree plus 8 years experience. Motion carried unanimously.

MOTION: Martin Hanson moved, seconded by Nancy Sobczak, to approve Subhash H. Modi and Sameer Babasaheb Patil for registration as an engineer-in-training. Motion carried unanimously.

APPLICATIONS REVIEWED ON SEPTEMBER 10, 2004

The Section took the following action on applications.

1. By 16 Hour Written Examination

a. Granted

1. Shkurti, Alma V

2. By 8 Hour Written Examination

a. Granted

1. Kallas III, Edward M

3. By Approved Degree Plus 8 Years Experience

a. Granted

- | | |
|------------------------|-------------------------------|
| 1. Acuff, Matthew C | 7. Kretschmer, Michael |
| 2. Adler, Scott A | 8. Kunz, Tyler J |
| 3. Grunewald, Michael | 9. May, Christopher W |
| 4. Kaiser, Karl J | 10. O'Hara, John |
| 5. Kolodzinski, Joseph | 11. Stache, Kirk J |
| 6. Krachey, Jeremy F | 12. Tanapipatkulchai, Paiboon |
| | 13. Walsh, Andrew Philip |

b. Deny

1. Haruki, Jun S

FOR PRINCIPLES AND PRACTICE OF ENGINEERING EXAMINATION

a. Granted

- | | |
|----------------------|-----------------------|
| 1. Scarmon, Mike | 6. Freeman, Zachary M |
| 2. Evenson, Erik O | 7. Francis, Michael K |
| 3. Bradt, Mitchell M | 8. Zuehlke, David R |
| 4. Barz, Ryan N | 9. Patel, Manish A |
| 5. Moore, Thomas A | 10. Patel, Dipak J |

b. Deny

1. Modi, Subhash H

c. Tabled

1. Callahan, Ryan P
2. Pann, Timothy C

FOR REGISTRATION AS AN ENGINEER-IN-TRAINING

a. Granted

1. Modi, Subhash H
2. Patil, Sameer Babasaheb

EXAMINATION ISSUES

None.

SUCH OTHER ITEMS AS AUTHORIZED BY LAW

Letter Regarding Case 99 ENG 002

Information only

ADJOURNMENT

MOTION: Nancy Sobczak moved, seconded by Martin Hanson, to adjourn the meeting at 3:05 p.m. Motion carried unanimously.

Next Professional Engineer Section Meeting: February 3, 2005